

ATAL Online 6 Day Faculty Development Programmes 2024-25 Schedule

FDP Thrust Area: Energy, Sustainability & Climate Change

FDP Title: INTEGRATION OF ARTIFICIAL INTELLIGENCE TECHNIQUES TO ELECTRIC VEHICLE AND SMART GRID

Start Date: 20-01-2025

End Date: 25-01-2025

Day 1 (20-01-2025)	Day 2 (21-01-2025)	Day 3 (22-01-2025)	Day 4 (23-01-2025)	Day 5 (24-01-2025)	Day 6 (25-01-2025)
6:00PM to 6:30PM	6:00PM to 7:30PM	6:00PM to 7:30PM	6:00PM to 7:30PM	6:00PM to 7:30PM	2:00PM to 3:30PM
Inaugural Session	Session 3	Session 5	Session 7	Session 9	Session 11
	<p>Topic: Evolution of AI in Fog and cloud robotics</p> <p>Name of the Expert: Dr. P. S. Sai Krishna.</p> <p>Designation & Organization: Associate Professor, IIT Tirupati</p> <p>Years of Exp: 6 years of Industry experience & 10 years of Teaching experience</p>	<p>Topic: Design of Electric Vehicles</p> <p>Name of the Expert: Mr. N. Chaitanya Kumar Reddy</p> <p>Designation & Organization: Manager, 2WP-EV, Bosch, Adugodi, Bengaluru</p> <p>Years of Exp: 13 years</p>	<p>Topic: V2G and G2V Technology in a Micro grid</p> <p>Name of the Expert: Dr. Geno Peter</p> <p>Designation & Organization: Associate Professor and Deputy Director-CRISD, University of Technology Sarawak, Malaysia</p> <p>Years of Exp: 18 years</p>	<p>Topic: Digital Twin Technology in Electric Vehicles</p> <p>Name of the Expert: Dr Chockalingam Aravind Vaithilingam</p> <p>Designation & Organization: Associate Professor School of Engineering, Taylor's University Lakeside Campus, Malaysia</p> <p>Years of Exp: 18 years</p>	<p>Topic: Electric Vehicles & its control features</p> <p>Name of the Expert: Mr. Mohammed Hanneef Papphai Shaik</p> <p>Designation & Organization: Lead controls engineer, Jaguar Landrover, UK</p> <p>Years of Exp: 16 years</p>
6:30PM to 8:00PM	7:30PM to 9:00PM	7:30PM to 9:00PM	7:30PM to 9:00PM	7:30PM to 9:00PM	3:30PM to 5:00PM
Session 1	Session 4	Session 6	Session 8	Session 10	Session 12
<p>Topic: Electric Vehicle charging station allocation – carious techniques</p> <p>Name of the Expert: Dr. S N Deepa</p> <p>Designation & Organization: NIT Calicut</p> <p>Years of Exp: 20 years</p>	<p>Topic: Battery Management in electric Vehicles</p> <p>Name of the Expert: Dr. S. Albert Alexander</p> <p>Designation & Organization: Professor, VIT Vellore</p> <p>Years of Exp: 19 years</p>	<p>Topic: Deep learning defined power electronic systems</p> <p>Name of the Expert: Dr. Sreedhar Madichetty,</p> <p>Designation & Organization: Associate Professor, Ecole Centrale School of Engineering, Mahindra University</p> <p>Years of Exp: 14 years</p>	<p>Topic: Solar PV Array Emulators</p> <p>Name of the Expert: Sumakesh Mishra</p> <p>Designation & Organization: Founder, Silov Solutions Pvt Ltd Technology Business Incubation Unit (TBIU), New Delhi</p> <p>Years of Exp: 12 years</p>	<p>Topic: Advancements in Lead acid battery</p> <p>Name of the Expert: Dr. Rajashree Samantray</p> <p>Designation & Organization: Assistant Manager-New Material Development, Technology Division, Amararaja Energy & Mobility, Karakambadi, Tirupati</p> <p>Years of Exp: 2 years of Industry experience & 9 years of Research experience</p>	<p>Topic: Electrical Bicycle with self-charging capacity</p> <p>Name of the Expert: Dr. Kumar Reddy Cheepati</p> <p>Designation & Organization: Associate Professor of EEE, KSRM College of Engineering (Autonomous), Kadapa</p> <p>Years of Exp: 13 years</p>
8:00PM to 9:30PM					5:00PM to 7:30PM
Session 2					Session 13
<p>Topic: Smart Grid Technologies: Challenges and Opportunities</p> <p>Name of the Expert: Dr. Vijay kumar Krishnasamy</p> <p>Designation & Organization: Professor, IIITDM Kancheepuram</p> <p>Years of Exp:</p>					<p>Topic: Power System Automation</p> <p>Name of the Expert: B. Jagadeesh</p> <p>Designation & Organization: Deputy Executive Engineer, Meter & Relay Testing, APTRANSCO, Chittoor</p> <p>Years of Exp: 15 years</p>
					6:30PM to 7:30PM
					Online test & feedback
					7:30PM to 8:00PM
					Valedictory Session